Table 4. Associations between 12-month ALA and LA intake and neurodevelopmental scores in preschool children, imputed analyses

	ASQ at 3 years (n=914)						IQ at 5-6 years (n=785)		
		Risk of having a poor ASQ sub-score (1st tertile vs other tertiles)							
	Full ASQ score	Communication	Gross motor	Fine motor	Problem solving	Personal-social	Full IQ	Verbal IQ	Performance IQ
	β (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)
Unadjusted analyses									
ALA, g/day, for 1 SD	-2.0 (-5.1; 1.1)	1.1 (0.9; 1.4)	1.1 (0.9; 1.3)	1.1 (0.9; 1.3)	1.2 (0.9; 1.5)	1.2 (0.9; 1.4)	-1.0 (-2.4; 0.4)	-0.8 (-2.3; 0.7)	-0.5 (-1.9; 0.9)
LA, g/day, for 1 SD	3.2 (0.1; 6.3)	1.0 (0.8; 1.2)	0.8 (0.7; 1.0)	0.9 (0.7; 1.1)	0.9 (0.7; 1.1)	0.8 (0.6; 1.0)	1.8 (0.4; 3.2)	1.3 (-0.2; 2.8)	1.8 (0.4; 3.3)
Model 1									
ALA, g/day, for 1 SD	-2.2 (-5.2; 0.8)	1.1 (0.9; 1.4)	1.1 (0.9; 1.4)	1.1 (0.9; 1.4)	1.2 (1.0; 1.5)	1.1 (0.9; 1.4)	-1.1 (-2.4; 0.3)	-1.1 (-2.5; 0.3)	-0.6 (-2.0; 0.8)
LA, g/day, for 1 SD	2.6 (-0.6; 5.7)	1.0 (0.8; 1.3)	0.9 (0.7; 1.1)	0.9 (0.7; 1.2)	0.9 (0.7; 1.1)	0.8 (0.6; 1.0)	1.0 (-0.4; 2.4)	0.8 (-0.7; 2.3)	1.0 (-0.4; 2.5)
Model 2									
ALA, g/day, for 1 SD	-1.6 (-4.6; 1.4)	1.1 (0.9; 1.4)	1.1 (0.9; 1.3)	1.1 (0.8; 1.3)	1.2 (0.9; 1.5)	1.1 (0.9; 1.4)	-0.9 (-2.2; 0.5)	-0.8 (-2.2; 0.6)	-0.5 (-1.9; 0.9)
LA, g/day, for 1 SD	2.2 (-1.0; 5.3)	1.0 (0.8; 1.3)	0.9 (0.7; 1.1)	1.0 (0.8; 1.2)	0.9 (0.7; 1.2)	0.8 (0.6; 1.0)	0.8 (-0.6; 2.2)	0.6 (-0.9; 2.0)	1.0 (-0.5; 2.4)

ASQ: Ages and Stages Questionnaire; IQ: Intelligence Quotient; β: regression coefficient; OR: Odds Ratio; CI: confidence interval; ALA: α-linolenic acid; LA: linoleic acid. ALA and LA were standardized and mutually adjusted for each other. Model 1: Multivariable linear regression models adjusted for total lipid intake (g), children's characteristics (sex, gestational age, birth weight z-scores, exclusive breastfeeding duration, age at complementary feeding introduction, age at the neurodevelopmental assessment) and maternal characteristics (parity, age at delivery, educational level, BMI pre-pregnancy, smoking habits during pregnancy, alcohol drinking during pregnancy, frequency of fruit and vegetables intake during pregnancy, fish intake during pregnancy and recruitment center). Model 2: Further adjusted for maternal stimulation at 3 years for the ASQ outcomes and parental home stimulation (HOME-score) at 5 years for the IQ outcomes.